

10000158\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10000158 on September 02, 2004

Original Classifications

20 365/49  
11 711/108  
4 370/392

Cross-Reference Classifications

18 365/189.07  
10 365/49  
5 711/108  
5 711/216  
3 365/168  
3 365/189.02  
3 365/189.05  
3 365/201  
3 365/230.03  
2 370/389  
2 370/392  
2 370/475  
2 707/3  
2 707/6  
2 707/7  
2 711/104  
2 711/117  
2 711/128  
2 711/150  
2 711/151  
2 711/152  
2 711/202  
2 711/5  
2 712/224

Combined Classifications

30 365/49  
18 365/189.07  
16 711/108  
6 370/392  
5 711/216  
4 365/168  
3 365/189.02  
3 365/189.05  
3 365/201  
3 365/230.03  
3 370/389  
3 707/6

10000158\_CLS

2 370/401  
2 370/475  
2 707/3  
2 707/7  
2 709/242  
2 711/104  
2 711/117  
2 711/128  
2 711/150  
2 711/151  
2 711/152  
2 711/202  
2 711/206  
2 711/5  
2 712/224

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10000158\_EAST

(6744652  
5949696  
6052683  
6199140  
5414704  
6195277  
6081440  
6240000  
6266262  
6658002  
6289414  
5940597  
6411626  
6415354  
6697275  
6745280  
6631419  
6718326  
6236658  
6154384  
4391083  
6108227  
6233646  
6253280  
6259620  
6288922  
6331942  
6400592  
6467019  
6490279  
6502163  
6504740  
6505270  
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6629099  
6647457  
6661686  
6700810  
6721202  
6728124  
6219748  
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6243281  
6141738  
6243720  
5917821

10000158\_EAST

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10000158 WEST

(6744652 5949696 6052683 6199140 5414704 6195277 6081440 6240000 62662  
62 6658002 6289414 5940597 6411626 6415354 6697275 6745280 6631419 671  
8326 6236658 6154384 4391083 6108227 6233646 6253280 6259620 6288922 6  
331942 6400592 6467019 6490279 6502163 6504740 6505270 6515884 6570877  
6597595 6629099 6647457 6661686 6700810 6721202 6728124 6219748 62197  
48 6243281 6141738 6243720 5917821 6118760 5802065).pn.

58

PLUS Search Results for S/N 10000158, Searched September 02, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6744652  
5949696  
6052683  
6199140  
5414704  
6195277  
6081440  
6240000  
6266262  
6658002  
6289414  
5940597  
6411626  
6415354  
6697275  
6745280  
6631419  
6718326  
6236658  
6154384  
4391083  
6108227  
6233646  
6253280  
6259620  
6288922  
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6467019  
6490279  
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6504740  
6505270  
6515884  
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10000158\_LIST

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6721202  
6728124  
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6243281  
6141738  
6243720  
5917821  
6118760  
5802065

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10000158\_QUAL

6744652 67  
5949696 64  
6052683 63  
6199140 59  
5414704 59  
6195277 57  
6081440 57  
6240000 57  
6266262 57  
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6411626 53  
6415354 53  
6697275 53  
6745280 53  
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6253280 46  
6259620 46  
6288922 46  
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6400592 46  
6467019 46  
6490279 46  
6502163 46  
6504740 46  
6505270 46  
6515884 46  
6570877 46  
6597595 46  
6629099 46  
6647457 46  
6661686 46  
6700810 46  
6721202 46  
6728124 46  
6219748 46  
6219748 46  
6243281 46  
6141738 45  
6243720 45  
5917821 43



10000158\_QUAL

6118760 43  
5802065 43

10000158\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10000158 on September 02, 2004

- 30 365/49 (20 OR, 10 XR)  
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL  
 365/49 ASSOCIATIVE MEMORIES
- 18 365/189.07 (0 OR, 18 XR)  
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL  
 365/189.01 READ/WRITE CIRCUIT  
 365/189.07 .Including signal comparison
- 16 711/108 (11 OR, 5 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL  
 711/101 .Specific memory composition  
 711/108 ..Content addressable memory (CAM)
- 6 370/392 (4 OR, 2 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/351 PATHFINDING OR ROUTING  
 370/389 .Switching a message which includes an address  
 header  
 370/392 ..Processing of address header for routing, pe
- 5 711/216 (0 OR, 5 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/200 ADDRESS FORMATION  
 711/216 .Hashing
- 4 365/168 (1 OR, 3 XR)  
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL  
 365/129 SYSTEMS USING PARTICULAR ELEMENT  
 365/168 .Ternary
- 3 365/189.02 (0 OR, 3 XR)  
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL  
 365/189.01 READ/WRITE CIRCUIT  
 365/189.02 .Multiplexing
- 3 365/189.05 (0 OR, 3 XR)  
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

10000158\_CLSTITLES

365/189.01 READ/WRITE CIRCUIT  
365/189.05 .Having particular data buffer or latch

3 365/201 (0 OR, 3 XR)  
Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL  
365/189.01 READ/WRITE CIRCUIT  
365/201 .Testing

3 365/230.03 (0 OR, 3 XR)  
Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL  
365/230.01 ADDRESSING  
365/230.03 .Plural blocks or banks

3 370/389 (1 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/351 PATHFINDING OR ROUTING  
370/389 .Switching a message which includes an address  
header

3 707/6 (1 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)  
707/6 ..Pattern matching access

2 370/401 (1 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/351 PATHFINDING OR ROUTING  
370/389 .Switching a message which includes an address  
header  
370/400 ..Having a plurality of nodes performing  
distributed switching  
370/401 ...Bridge or gateway between networks

2 370/475 (0 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/473 ..Transmission of a single message having  
multiple packets  
370/475 .Address transmitted

2 707/3 (0 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)

2 707/7 (0 OR, 2 XR)

10000158 CLSTITLES

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

707/7 .Sorting

2 709/242 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/238 .Computer-to-computer data routing

709/242 ..Routing data updating

2 711/104 (0 OR, 2 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY

711/100 STORAGE ACCESSING AND CONTROL

711/101 .Specific memory composition

711/104 ..Solid-state random access memory (RAM)

2 711/117 (0 OR, 2 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY

711/100 STORAGE ACCESSING AND CONTROL

711/117 .Hierarchical memories

2 711/128 (0 OR, 2 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY

711/100 STORAGE ACCESSING AND CONTROL

711/117 .Hierarchical memories

711/118 ..Caching

711/128 ...Associative

2 711/150 (0 OR, 2 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY

711/100 STORAGE ACCESSING AND CONTROL

711/147 .Shared memory area

711/150 ..Simultaneous access regulation

2 711/151 (0 OR, 2 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY

711/100 STORAGE ACCESSING AND CONTROL

711/147 .Shared memory area

711/151 ..Prioritized access regulation

10000158\_CLSTITLES

2 711/152 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL  
 711/147 .Shared memory area  
 711/152 ..Memory access blocking

2 711/202 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/200 ADDRESS FORMATION  
 711/202 .Address mapping (e.g., conversion,  
 translation)

2 711/206 (1 OR, 1 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/200 ADDRESS FORMATION  
 711/202 .Address mapping (e.g., conversion,  
 translation)  
 711/203 ..Virtual addressing  
 711/206 ...Translation tables (e.g., segment and page  
 table or map)

2 711/5 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/1 ADDRESSING COMBINED WITH SPECIFIC MEMORY  
 CONFIGURATION OR SYSTEM  
 711/5 .For multiple memory modules (e.g., banks,  
 interleaved memory)

2 712/224 (0 OR, 2 XR)  
 Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: PROCESSING ARCHITECTURES AND INS  
 TRUCTION  
 PROCESSING  
 712/220 PROCESSING CONTROL  
 712/223 .Logic operation instruction processing  
 712/224 ..Masking

above 1  
abstract 1  
access 4  
accessed 3  
accompanying 2  
according 1  
additionally 1  
address 7  
addressable 8  
addressed 1  
addressee 1  
advantages 1  
all 3  
also 6  
alternative 2  
alternatively 1  
am 1  
ame 1  
an 12  
and 45  
angeles 1  
another 2  
apparatus 4  
apparent 1  
application 1  
appropriate 1  
arcl 1  
are 12  
array 13  
arrays 1  
arrived 1  
arrives 1  
arriving 2  
as 10  
asserting 2  
assign 1  
assistant 1  
associated 1  
associative 1  
at 12  
attolmey 1  
attomey 4  
attorney 5  
available 1  
background 1  
based 1  
be 19  
because 1

been 1  
before 2  
below 1  
best 1  
between 4  
binary 2  
bit 11  
bits 5  
blade 1  
blakely 1  
block 2  
blocks 7  
both 1  
boulevard 1  
brief 1  
briscoe 1  
bus 1  
buses 3  
by 11  
ca 1  
cam 43  
cams 5  
can 2  
card 1  
causing 1  
cell 1  
cells 2  
certify 1  
ci 1  
circuit 5  
circuitry 11  
classification 4  
classified 1  
clients 1  
clock 1  
collection 1  
colmected 1  
colmections 1  
commissioner 1  
common 1  
comparand 14  
compare 1  
computing 1  
con 1  
conceptual 1  
conditions 1  
configured 5  
connected 1

connection 3  
connections 1  
consider 1  
contain 2  
containing 1  
contains 1  
contaiz 1  
content 8  
contents 2  
contrast 1  
control 1  
conunon 1  
conventional 2  
corresponding 1  
coupled 3  
cozmnectionless 1  
create 1  
ct 1  
cycle 1  
cycles 1  
da 3  
data 28  
date 3  
decode 5  
dédication 1  
demultiplexers 2  
deposit 1  
deposited 1  
described 1  
description 2  
designed 2  
desired 1  
destination 9  
destined 3  
detailed 1  
determines 1  
determ 2  
determaine 1  
deterrrnine 1  
device 16  
devices 7  
different 12  
digits 1  
directly 1  
divided 1  
dmwings 1  
docket 10  
drawings 2



drcuitry 2  
duration 1  
each 6  
een 1  
efficient 1  
elements 2  
embodiment 12  
enable 1  
encoder 2  
end 1  
entire 1  
entries 1  
entry 1  
er 1  
establish 2  
etc 3  
ethernet 1  
example 9  
examples 1  
exarnines 1  
exceeding 1  
exemplary 2  
existence 1  
express 2  
features 1  
fee 4  
fficient 1  
fi 1  
field 2  
fields 3  
figure 16  
figures 1  
file 4  
firmware 1  
first 14  
five 1  
flag 2  
floor 1  
follows 1  
for 31  
form 3  
formats 1  
forwarded 1  
from 7  
functions 1  
gateway 1  
generally 1  
generating 2

generation 2  
get 1  
given 2  
go 1  
graphics 1  
group 4  
groups 5  
gtajeg 1  
handle 1  
handling 2  
hardware 1  
has 4  
have 2  
having 15  
header 4  
headers 1  
hereby 1  
high 1  
hop 5  
however 1  
ic 1  
if 4  
illustrated 3  
illustrates 11  
illustration 2  
in 27  
include 7  
includes 8  
increase 1  
index 1  
indicated 2  
indicates 1  
indicative 2  
individual 1  
information 10  
inore 1  
input 18  
instead 1  
instructed 1  
intended 1  
intercolmected 1  
into 4  
invention 7  
inventors 1  
irami 1  
irst 1  
is 31  
it 1

its 5  
iuanita 1  
jankov 1  
jose 1  
key 6  
keys 2  
khanna 1  
label 1  
least 6  
lin 1  
linait 1  
line 1  
lines 2  
liznits 1  
llp 1  
local 3  
location 4  
logic 2  
lookup 5  
lookups 10  
los 1  
low 1  
lt 1  
mac 3  
made 1  
mail 3  
mailing 3  
maintain 1  
making 1  
many 2  
match 5  
matched 1  
matches 2  
matching 2  
may 27  
meant 1  
media 1  
meets 1  
memory 16  
method 2  
more 10  
multiple 15  
multiplex 1  
multiplexers 2  
municate 1  
ne 2  
necessary 1  
needs 1

network 7  
 networks 2  
 netwozk 1  
 next 9  
 ng 2  
 no 10  
 not 1  
 number 5  
 of 67  
 office 1  
 often 1  
 oftheinvention 1  
 on 10  
 one 27  
 operate 2  
 operation 1  
 opposed 1  
 or 30  
 order 1  
 organized 1  
 original 1  
 other 7  
 out 1  
 output 6  
 overall 2  
 packet 29  
 packets 5  
 page 10  
 paper 3  
 parsed 1  
 particular 5  
 patent 1  
 patents 1  
 patfnt 1  
 path 1  
 pay 1  
 payload 1  
 per 1  
 pereira 1  
 perform 2  
 performed 6  
 perform 1  
 person 1  
 pertains 1  
 pio 1  
 place 1  
 plurality 2  
 points 3

port 1  
portion 1  
ports 1  
position 10  
positioned 1  
post 1  
postal 1  
preceding 1  
prepared 1  
present 4  
priority 4  
processed 2  
processor 1  
processors 1  
program 1  
protocol 1  
put 1  
qos 2  
quality 1  
queue 1  
raj 1  
random 1  
rate 1  
rathnavelu 1  
reassembled 1  
receive 4  
receives 2  
receiving 1  
referred 2  
registers 1  
relates 1  
relative 2  
relevant 1  
represented 1  
required 1  
requirement 1  
requires 1  
ronald 1  
route 3  
routed 2  
router 17  
routers 6  
routes 2  
routing 2  
sa 3  
sandeep 1  
scheme 2  
search 1

10000158\_WDS

searched 1  
second 4  
segment 1  
segments 3  
selects 1  
send 2  
sending 1  
sent 1  
sequentially 1  
server 4  
servers 4  
service 2  
seventh 1  
several 1  
shared 1  
should 2  
signature 1  
signed 1  
similarly 1  
simultaneously 2  
single 2  
sizes 1  
smaller 2  
so 1  
software 1  
sokoloff 1  
sort 1  
source 3  
specifically 1  
specifying 1  
state 2  
states 3  
storage 2  
store 2  
stored 5  
string 2  
strings 1  
subsequent 1  
such 4  
summary 1  
sunder 1  
supported 1  
svhen 1  
switch 6  
switched 1  
switching 2  
system 1  
systems 1

table 1  
tables 2  
taylor 1  
textures 1  
ted 2  
ternary 1  
than 1  
that 16  
the 139  
their 1  
them 2  
then 2  
there 2  
thereof 1  
they 1  
this 5  
three 1  
through 1  
throughout 1  
throughput 2  
thus 1  
to 60  
top 1  
towards 1  
transfer 2  
translate 1  
translation 19  
transmission 5  
transmit 1  
transmitted 1  
transn 1  
travel 2  
tyayev 1  
type 1  
typed 1  
types 1  
typically 6  
under 1  
undesirably 1  
unit 1  
united 2  
up 1  
use 2  
used 4  
uses 1  
using 3  
values 1  
various 3

10000158\_WDS

voice 1  
vtc 1  
washington 1  
way 3  
when 3  
where 3  
wherein 2  
whether 2  
which 4  
while 1  
wide 4  
will 1  
wilshire 1  
with 16  
within 1  
word 2  
wr 1  
ygt 1  
yw 1  
za 1  
zafman 1  
zz 1  
zzgv 1

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